



Rokas Group

Renewable Energy Sources

London, September 2006

Member of  IBERDROLA Group



Contents

- ✧ ROKAS GROUP OVERVIEW
- ✧ IBERDROLA
- ✧ ENERGY
- ✧ INVESTMENT PLAN



Rokas Group

Highlights

- The Group's **main activity** is the production of electricity from **Renewable Energy Sources**.
- The traditional activity of the **parent company** C. Rokas SA is the construction of **Electromechanical Equipment**.
- Rokas is a **leader** of the **Wind Energy Market** in Greece.
- Rokas is a **member** of the Spanish Group **Iberdrola**.
- Rokas Group operates **13 Wind Farms** of **193.3 MW** capacity, which produce over **500 GWh annually**.
- There are currently **43.7 MW** under construction.
- A total **600 MW** will be installed by 2009 according to the Group's **Business Plan 2006-2009**.



Rokas Group

Main Activities

ENERGY

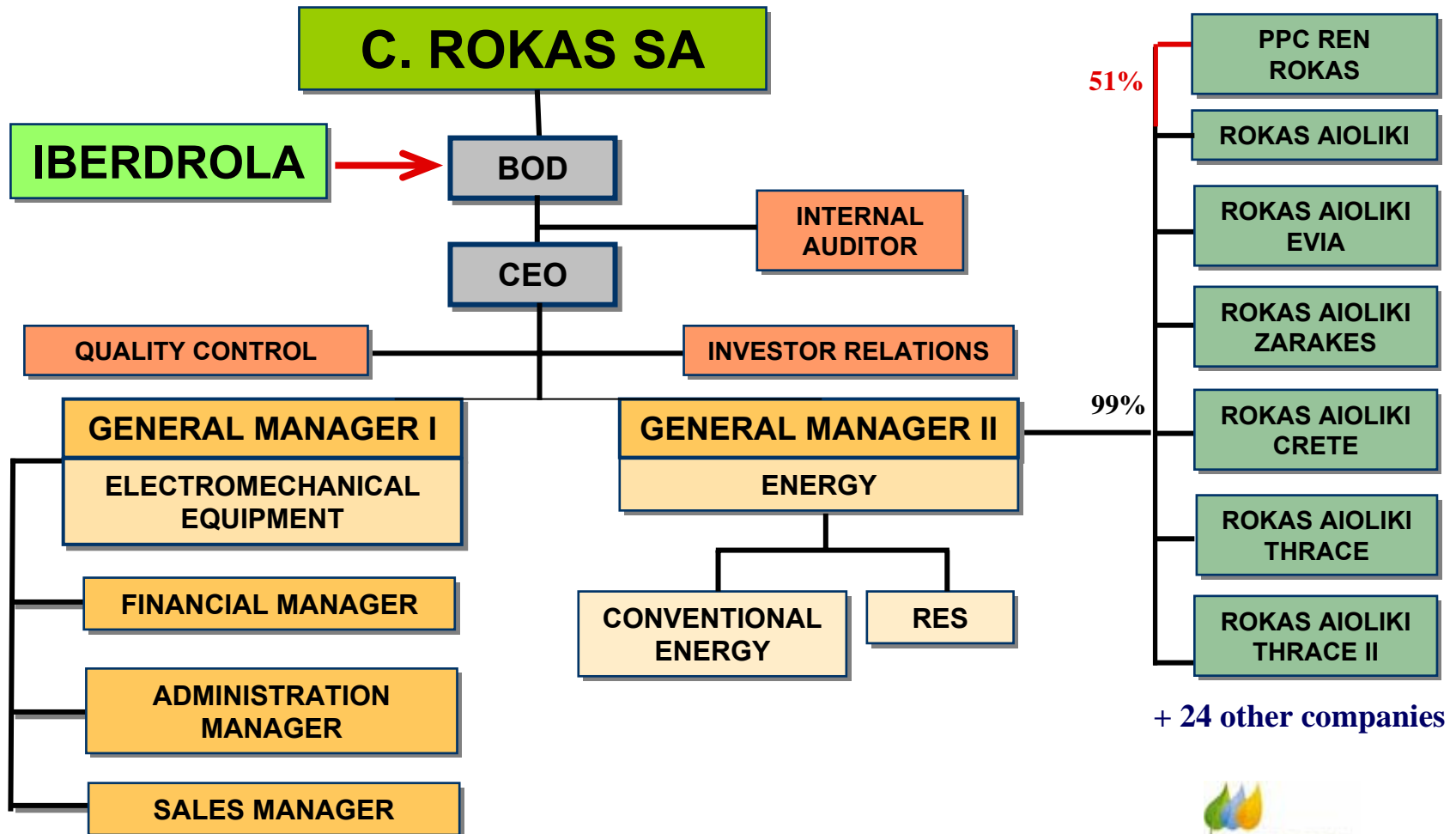
- **Wind Energy**
- **Other Energy Sources**
- **Research & Development**

ELECTROMECHANICAL EQUIPMENT

- **Lifting & Transport Equipment**
- **Combined Steel Structures**
- **Energy Projects**



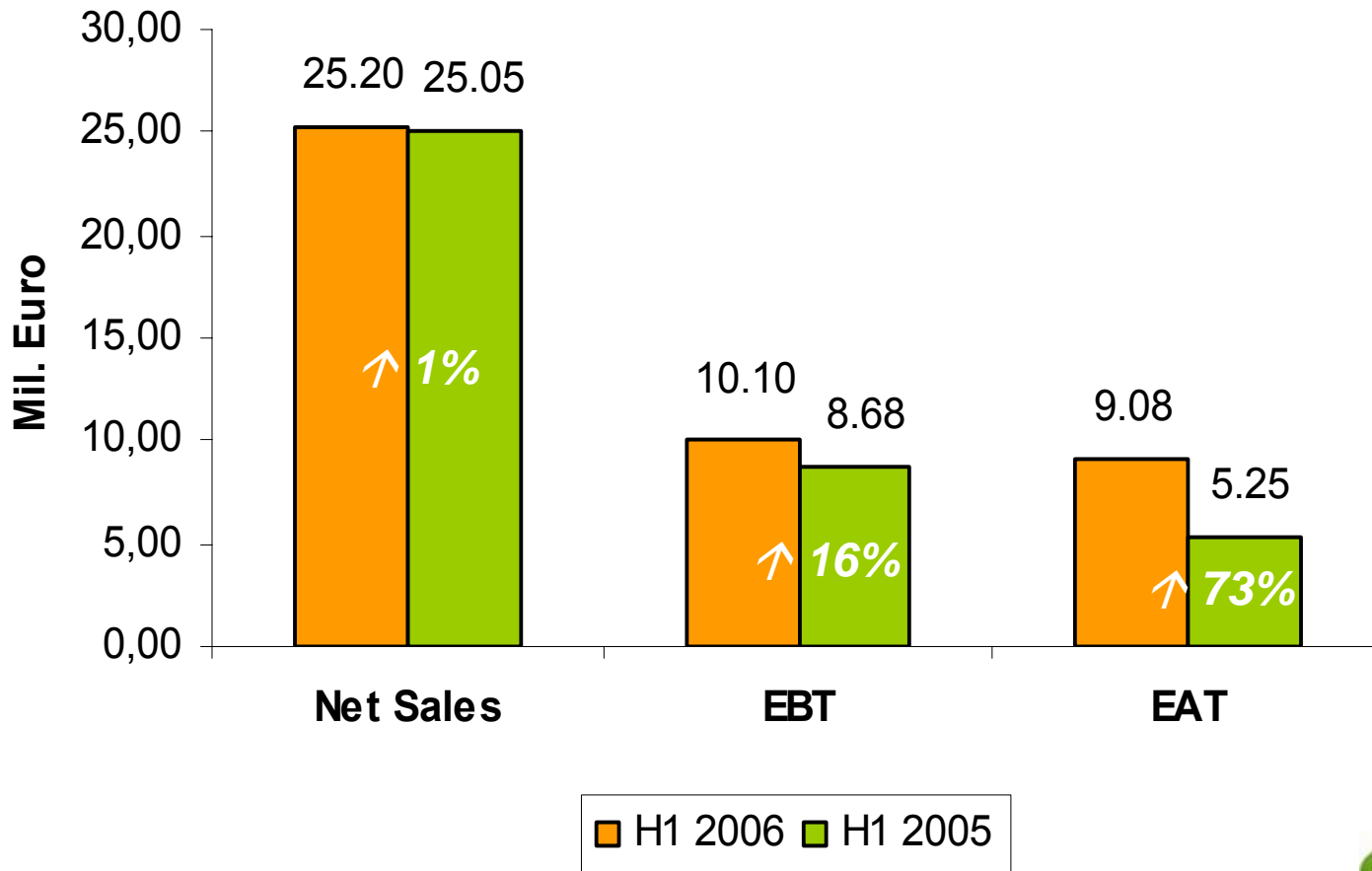
Group Structure





Rokas Group

Financial Results H1 2006





Rokas Group



H1 2006

- One of the biggest energy and fully private companies worldwide with over 100 years of experience.
- World Leader in RES with over 4,000 MW.
- Presence in over 30 countries (Spain, Latin America, Europe, Middle East).
- Vertically integrated with a fully diversified energy mix.
- Best efficiency indicators in the European market.
- Highly experienced in liberalized markets.
- Financially solid.

- **Production: 43,701 GWh**
- **Turnover: € 5.5 bil.**
- **EBITDA: € 1.9 bil.**
- **Capacity: 27,993 MW**
- **Capitalization: € 27 bil.**
- **Rating: A+**
- **Customers: 17.8 mil.**



RES Sector in Greece

RES & SHPs must cover 20% (~2500MW) of energy production in 2010 (EU directive 2001/77/EE)



Guaranteed contracts with Greek Government

The sector is very attractive due to the growth potential and the guaranteed sales.

INSTALLED CAPACITY FROM RES IN GREECE (MW)

RES TYPE	INTERCONNECTED		NON INTERCONNECTED		TOTAL
	PRIVATE	PPC	PRIVATE	PPC	
WIND FARMS	365.76	7.2	122.16	29.89	525
SMALL HYDRO	43.96	20.7	-	-	65
PHOTOVOLTAIC	-	-	0.511	0.45	~1
BIOMASS etc	20.37	-	0.166	-	21
TOTAL	430.09	27.9	122.837	30.34	612

	Mainland	Islands
€/KWh	0.073	0.08458



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Wind Energy

- **Pioneer** in Greece – constructed the 1st private wind farm (10.2MW) in Crete.
- **Leader** in the Greek wind energy market (193.3 MW).
- **Wind energy generated revenues** account for over 70% of the Group's sales.

WIND FARM	GEOGRAPHICAL LOCATION	CAPACITY (MW)
MODI	Sitia, Crete	10.2
ANTIA A	Karistia, Evia	24
MAKRIRACHI A	Stira, Evia	24
MAKRIRACHI B	Stira, Evia	11.4
ANTIA B	Karistia, Evia	12.6
SKOPIES A	Distos, Evia	9
SKOPIES B	Distos, Evia	14.4
LEROS	Alinda, Leros	4.2
KOS	Kefalos, Kos	4.2
KERVEROS	Kechros, Rodopi	31.2
MITATO	Sitia, Crete	3
PATRIARCHIS	Kechros, Rodopi	40.3
MODI II	Sitia, Crete	4.8
TOTAL IN OPERATION (MW)		193.3



Hydro Energy

- Significant experience in the development and construction of Small Hydro Power Plants (SHPPs).
- Construction of generators for small and medium sized HPPs, turbines, gates, gantry cranes and steel pipes.
- 147.5 MW new applications for SHPPs.

Solar Energy

- Construction of a Photovoltaic Park in Crete of 171.6 KW capacity, in 2001.
- 10 MW new applications.

Other RES

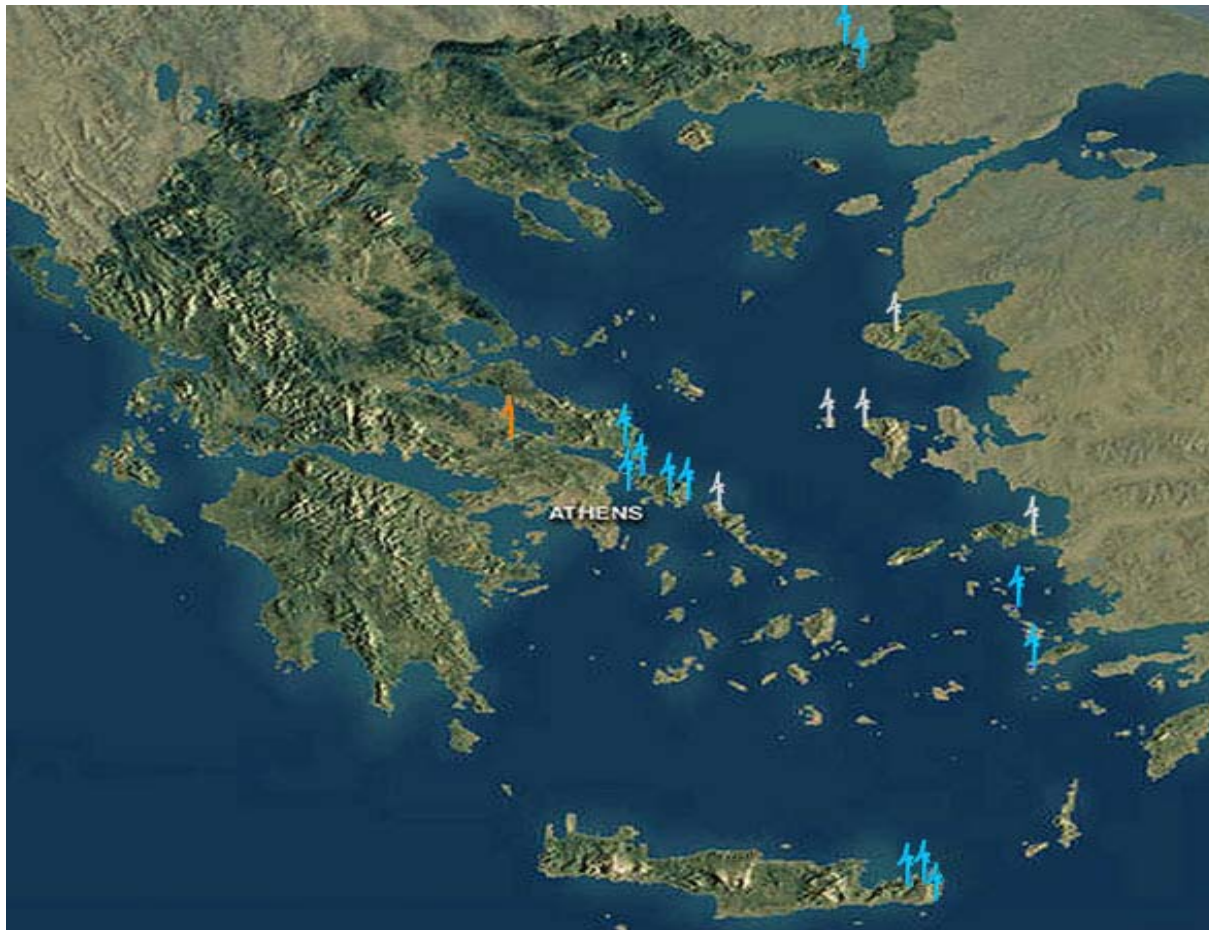
Research & Development

- Examination of the opportunities to use alternative renewable energy sources as well as energy storage technologies (biomass, hydrogen etc).
- Inauguration of a pilot plant for the production of hydrogen from wind power, in November 2005, in cooperation with CRES and other European institutions.





Wind Map



↑ W/Fs in operation

↑ W/Fs for PPC

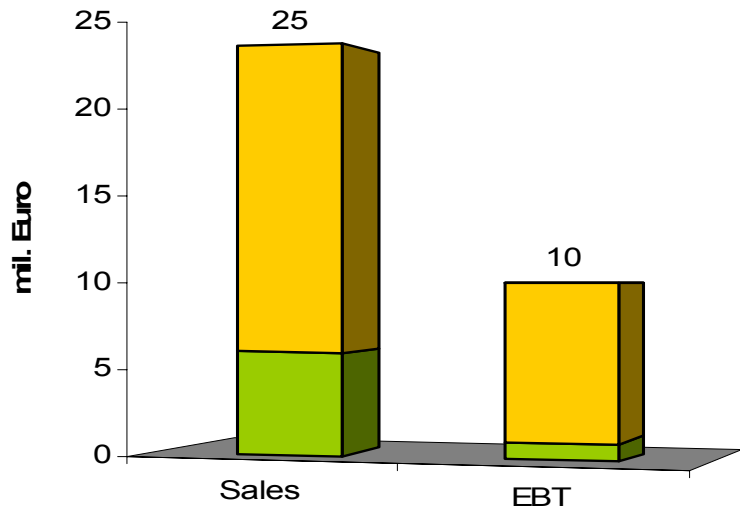
↑ W/Fs under construction





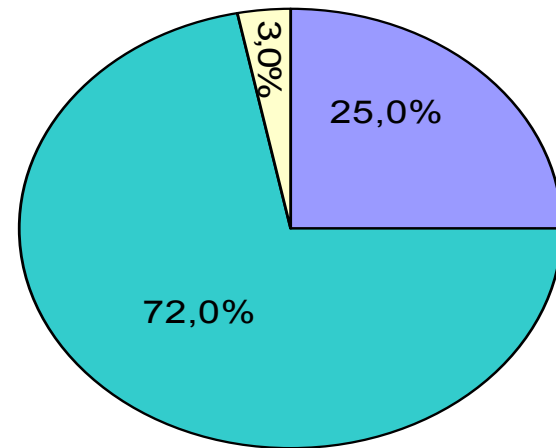
Energy Results H1 2006

Results H1 2006 per Activity



■ Electromechanical Equipment ■ Energy

% Contribution of each activity to H1 2006 Turnover



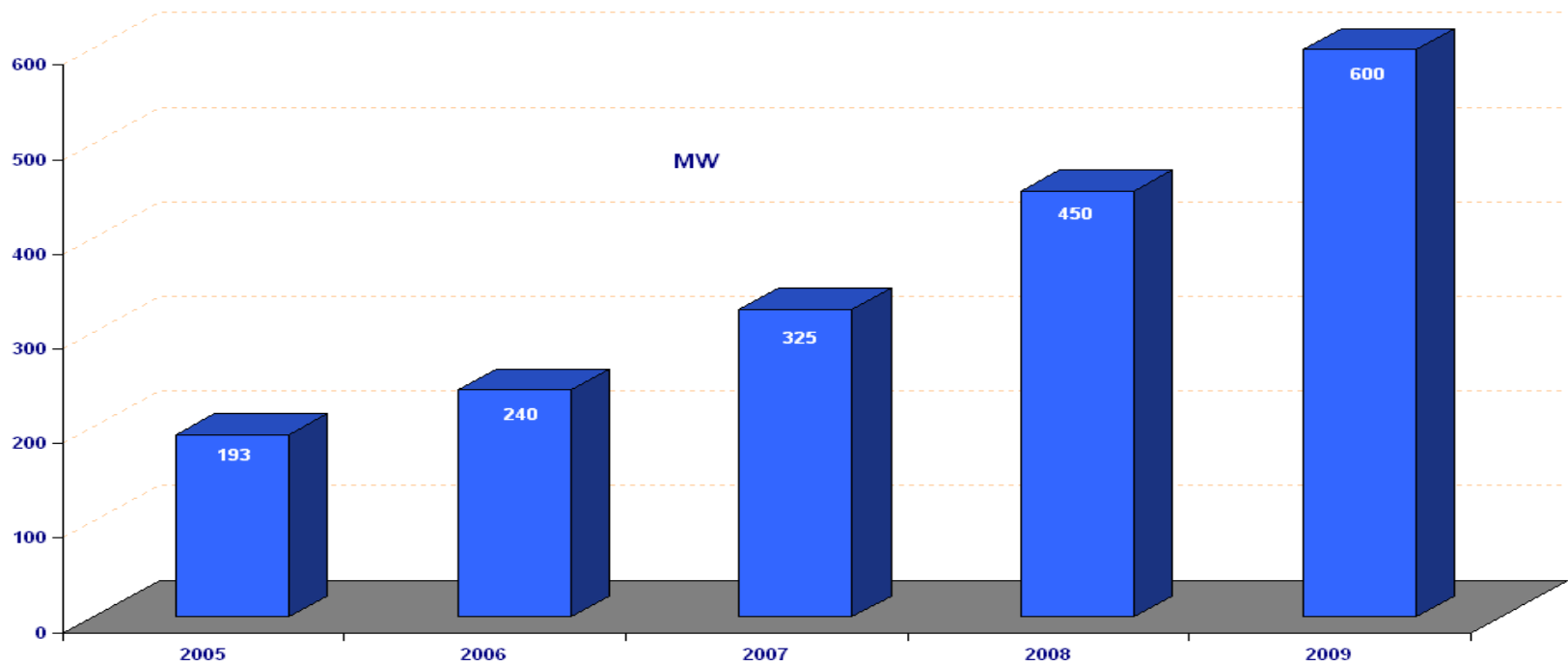
■ Electromechanical Equipment
 ■ Energy
 ■ Other

Production	2003	2004	2005	01-08/2006
GWh	254	398	502	358



Business Plan 2006-2009

- Development of RES projects of over 400 MW – about €400 mil. Investments.
- Further expansion in the energy sector (conventional & other energy sources).
- Maintenance of the leading position in the Greek wind energy market.





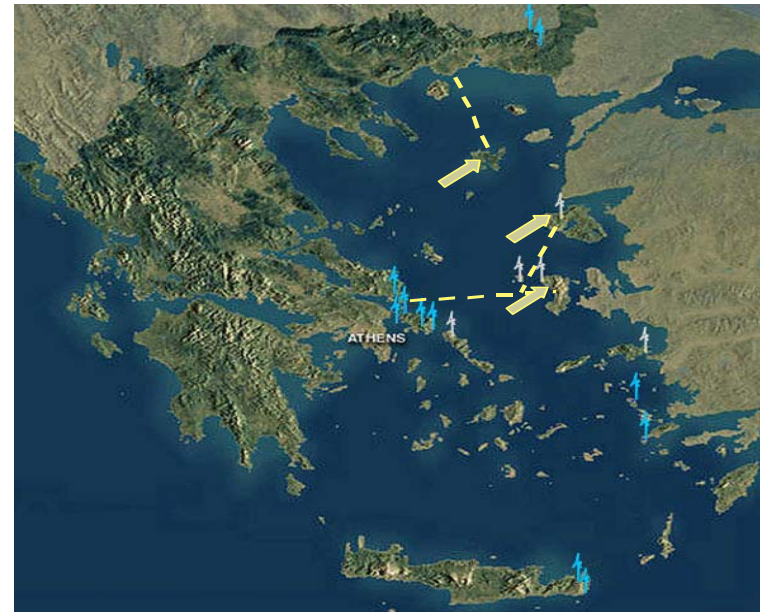
Mammoth Project

In numbers:

- Interconnection of 3 islands to the mainland: **Lemnos, Lesvos, Chios**
- **44** Wind Farms
- Total Capacity: **1636 MW**
- Annual Production: **4.41 TWh**
- Total Cost: approx. **€ 2.4 bil.**

Main objectives:

- Exploitation of the high wind resource of the N. Aegean Sea and contribution to our national objectives regarding RES (20.1% of total production);
- Reliable and stable distribution of electricity to/from the 3 islands;
- Considerable energy, environmental and economic benefits contributing to the national economy;





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